
USER MANUAL

MODEL NUMBER:

SS2

SS2-FMH

SS2-MBS

AND RELATED UNITS

Footwear Sanitation System

English (Original Instructions)

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT



WARNING



Read this manual completely and understand the machine before operating or servicing it.

- Read all instructions before operating or interacting with this unit.
- Always wear appropriate personal protective equipment (PPE) when operating or servicing unit.
- Always follow all chemical safety precautions and handling instructions provided by the chemical manufacturer and Material Safety Data Sheet (MSDS).
- If this unit is modified or serviced with parts not listed in this manual, the unit may not operate correctly.
- This unit is for use with fully protective footwear only.
- The unit should only be activated when user's foot is positioned inside the unit. Activating the unit without the foot in place may cause chemical spray to shoot out toward the user.
- Always disconnect the unit from compressed air before performing any maintenance.
- Do not exceed an incoming air pressure of 100 psi (7 bar).
- Do not exceed a fluid temperature of 100°F (37°C).
- Never use unit with hydrocarbons.

PROTECT THE ENVIRONMENT

Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe way according to local waste disposal regulations.



Always remember to recycle.

*Specifications and parts are subject to change without notice.

OPTIONS

		System Add-On
SS2	-	None (standard)
		Floor mounted handle (FMH)
		Manual boot scrubber (MBS)

Add bold option codes to item number as shown. For standard options, no option code is needed.

Examples:

- SS2 (standard unit)
- SS2-FMH (unit with floor mounted handle)
- SS2-MBS (unit with manual boot scrubber)

REQUIREMENTS

Compressed air requirements	50-80 psi (3.4-5.5 bar) with 1 cfm (28.3 l/min)
Liquid temperature range	40-100°F (4.4-37°C)
Chemical compatibility	Chemical products used with this equipment must be formulated for this type of application and compatible with unit materials and pump seals. For more information on chemical compatibility, consult the manufacturer or MSDS for your product or contact our customer service department.

SPECIFICATIONS

Power type	Compressed air
Chemical pickup type	Draws from pre-mixed product
Number of products unit can draw from (and whether it draws simultaneously or one at a time)	One product
Suction line length/diameter	3 ft. (0.9 m) clear hose with 1/4 in. (6.4 mm) inside diameter
Output Volume*	0.2 oz. (5.91 mL) per spray
Pump seals	Viton
Number of nozzles	4 nozzles

*Dilution rates and flow rates given are based on chemical with viscosity of water and factory air pressure settings.

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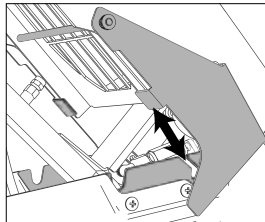
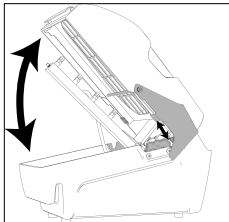
Installation Instructions:

For SS2 Unit:

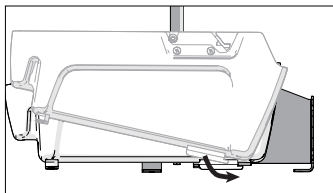
1. Position footwear sanitizing unit in desired location.
2. If desired, mount the chemical jug to the wall using the provided mounting hardware (WMS14, WMS14A) and rack (SSJR2). The chemical jug should not be mounted higher than 30 in. (0.75 m) above the unit. Suction hose length should not exceed 8 ft. (2.4 m).
3. Connect an air line to the air fitting (AP25).
4. Follow all instructions from chemical manufacturer. Fill the chemical jug (J2.5BKSR) with pre-mixed or ready-to-use chemical solution and connect the suction line to the jug suction fitting.
5. Prime the unit according to the Priming Instructions.

For SS2-FMH Unit:

1. Select desired location to mount footwear sanitizing unit.
2. Attach handle to handle bracket with bolts on the ends (B5161834). Secure with set screws (B5161858 and LNSS516).
3. Mount handle assembly to floor or wall (hardware not included).
4. Lift up on the front of the grate and rotate the top half of the unit to release from the base. Slide top half of unit from the bracket (FS-GUARD).



5. Hook the plate (FS-FMP) on the underside of the collection basin to the bracket at the base of the mounting handle.

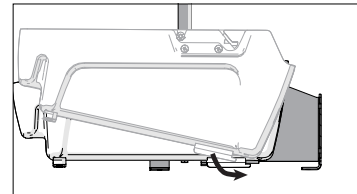


6. If desired, mount the chemical jug to the wall using the provided mounting hardware (WMS14, WMS14A) and rack (SSJR2). The chemical jug should not be mounted higher than 30 in. (0.75 m) above the unit. Suction hose length should not exceed 8 ft. (2.4 m).
7. Connect an air line to the air fitting (AP25).

8. Follow all instructions from chemical manufacturer. Fill the chemical jug (J2.5BKSR) with pre-mixed or ready-to-use chemical solution and connect the suction line to the jug suction fitting.
9. Prime the unit according to the Priming Instructions.

For SS2-MBS Unit:

1. Select desired location to mount footwear sanitizing system.
2. Attach handle to boot scrubber base with bolts on the ends (B5161812). Secure with set screws (B5161834 and LNSS516).
3. Slide debris tray (DBTR) under boot scrubber, lift up and hook tray into slots on front of the boot scrubber frame to secure.
4. Connect debris shield (DBSH) by sliding hooks into the slots on the back the boot scrubber frame. Note: Brushes (BR10S) must be removed before installing/uninstalling debris shield.
5. Position boot scrubber in desired location and mount to floor (hardware not included).
6. Position mounting bracket (FS-BPL) for footwear sanitizer next to the boot scrubber and secure to the floor (hardware not included).
7. Hook the plate (FS-FMP) on the underside of the collection basin to the mounting bracket (FS-BPL).



8. If desired, mount the chemical jug to the wall using the provided mounting hardware (WMS14, WMS14A) and rack (SSJR2). The chemical jug should not be mounted higher than 30 in. (0.75 m) above the unit. Suction hose length should not exceed 8 ft. (2.4 m).
9. Connect an air line to the air fitting (AP25).
10. Follow all instructions from chemical manufacturer. Fill the chemical jug (J2.5BKSR) with pre-mixed or ready-to-use chemical solution and connect the suction line to the jug suction fitting.
11. Prime the unit according to the Priming Instructions.

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Priming Instructions:

Note: This unit is for use with fully protective footwear only. Do not activate the unit if a user's foot is not positioned inside the spray guard (SS2-SH).

1. Verify that the chemical jug (J2.5BKSR) is full, and connect the jug to the unit suction line. Check all tubing connections and verify that none are loose or leaking.
2. Place foot on the grate (FS-GRATE) and step down with heel 10-15 times or until all air has been purged from the suction line.
3. Check bottom of footwear for proper sanitizer application. The entire sole should be covered with a consistent spray pattern.

Operation Instructions:

For SS2 Unit:

1. Place one foot on the grate (FS-GRATE) and step down with heel to activate the spray.
2. Repeat the process with your other foot.

For SS2-FMH Unit:

1. Grip the handle (FS-HNDL) with both hands to establish 3 points of contact.
2. Place one foot on the grate (FS-GRATE) and step down with heel to activate the spray.
3. Repeat the process with your other foot.

For SS2-MBS Unit:

1. Grip the handle (MBS-HNDL) above the manual boot scrubber with both hands to establish 3 points of contact.
2. Place one foot in the brushes and push foot back and forth to remove debris. Repeat the process with your other foot.
3. Move to the footwear sanitizer and grip the handle (FS-HNDL) above with both hands to establish 3 points of contact.
4. Place one foot on the grate (FS-GRATE) and step down with heel to activate the spray.
5. Repeat the process with your other foot.

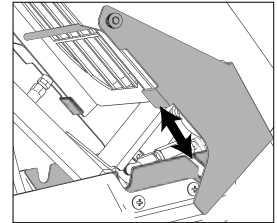
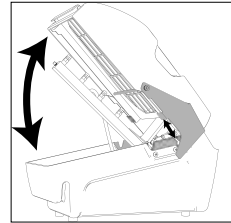
Maintenance Instructions:

Note: Before performing any maintenance, disconnect the unit from the compressed air supply. After maintenance is complete, reconnect compressed air, verify suction line and fittings are secure, and re-prime the unit according to the Priming Instructions.

For SS2, SS2-FMH, and SS2-MBS Units:

- Empty collection basin (SS2-H)
 - Lift up on the front of the grate and rotate the top

half of the unit to release from the base. Slide top half of unit from the bracket (FS-GUARD).



- Stand top half of unit on short end. Setting unit down in other position may cause damage to nozzle assembly.
 - Grab handle on front of collection basin and tip up to empty.
 - Slide top half of unit back into place on collection basin.
- Verify that the nozzle assembly is free of any debris or blockage, and clean if necessary.
 - Inspect all tubing for leaks or excessive wear. Make sure all hose clamps and push fittings are in good condition and properly secured.

For SS2-MBS Unit Only:

- Empty debris collection tray (DBTR).
- Remove brushes (BR10 and BR10S) by lifting them out from the brush bracket. Clean if necessary.

Troubleshooting Instructions:

If footwear sanitizing unit will not spray:

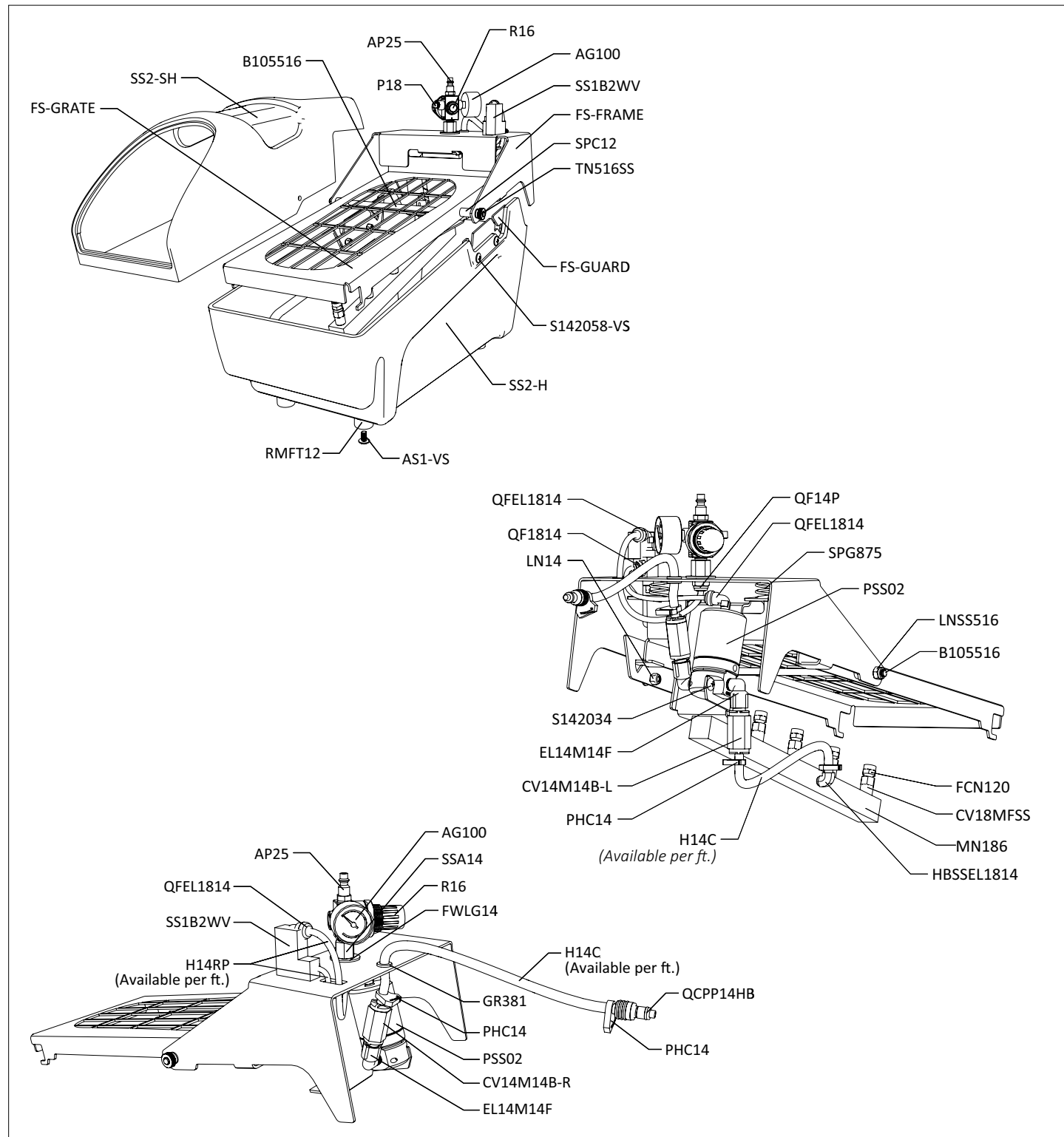
- Verify that the chemical jug (J2.5BKSR) is not empty.
- Verify that the unit is connected to an appropriate compressed air source. This unit requires 50-80 psi (3.4-5.5 bar) with 1 CFM (28.3 l/min) to operate. To maximize unit lifespan and performance, compressed air should be clean and dry. Note: If your air source has a high moisture content, you may wish to install a water separator (WS-20CFM) before the unit.
- Re-prime the unit, according to the Priming and Periodic Maintenance Instructions.
- Check the nozzles and make sure they are not clogged or blocked by debris. The spray tips (FCN120) may be removed and cleaned if necessary.
- Check the suction line and strainer for debris and clean as needed.

If footwear sanitizing unit is leaking liquid onto the floor:

- Verify the collection basin (SS2-H) is not full or overflowing. Empty if necessary.
- Check all tubing connections and verify that none are loose, broken, or leaking.

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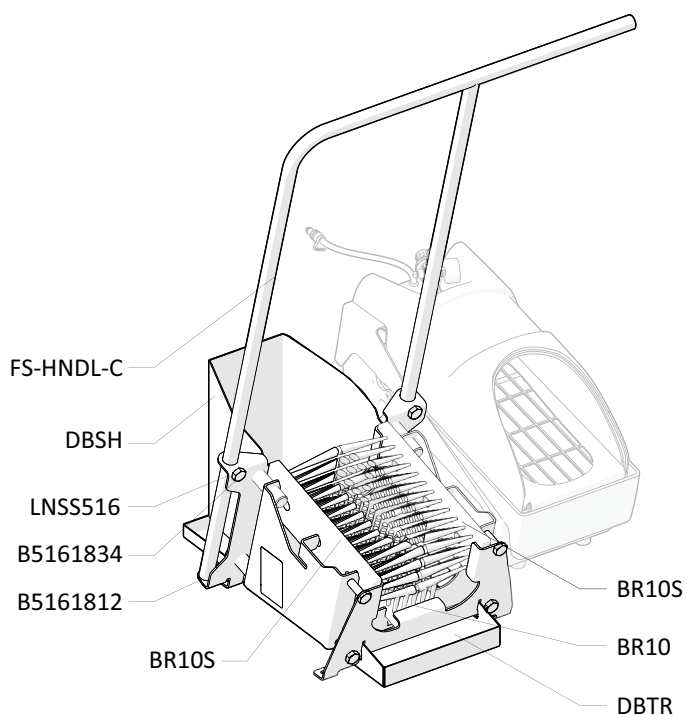
PARTS DIAGRAMS - UNITS WITH STANDARD FITTINGS



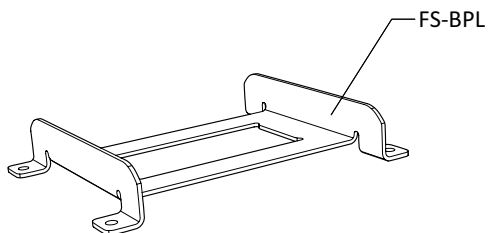
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PARTS DIAGRAMS

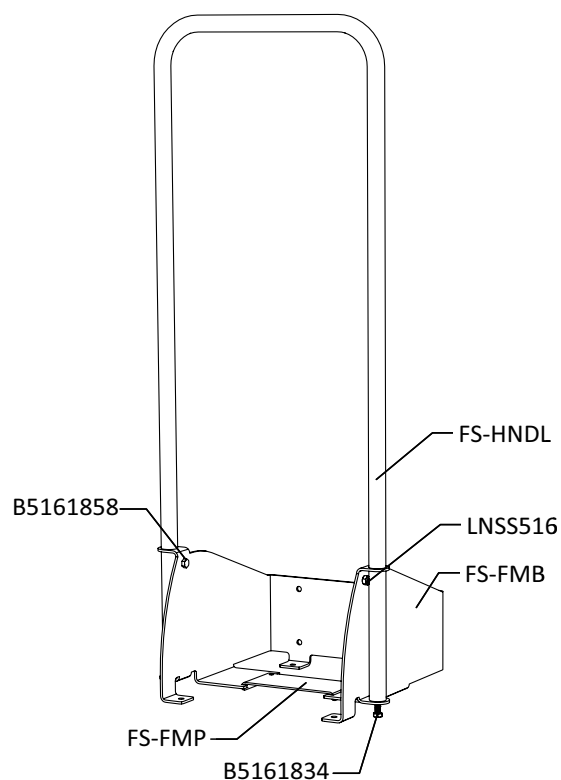
MANUAL BOOT SCRUBBER ITEM NUMBER: MBS100-C



MBS100-C MOUNTING PLATE FOR SS2 ITEM NUMBER: FS-BPL



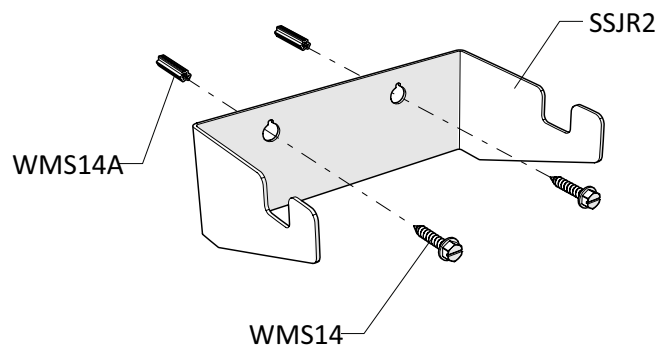
FLOOR MOUNTED HANDLE ITEM NUMBER: FMH



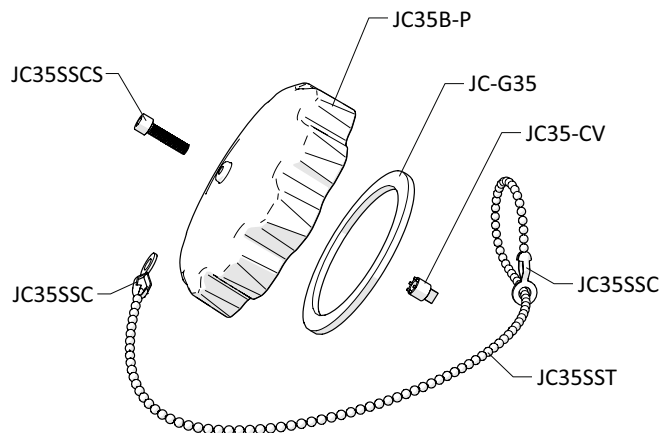
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PARTS DIAGRAMS

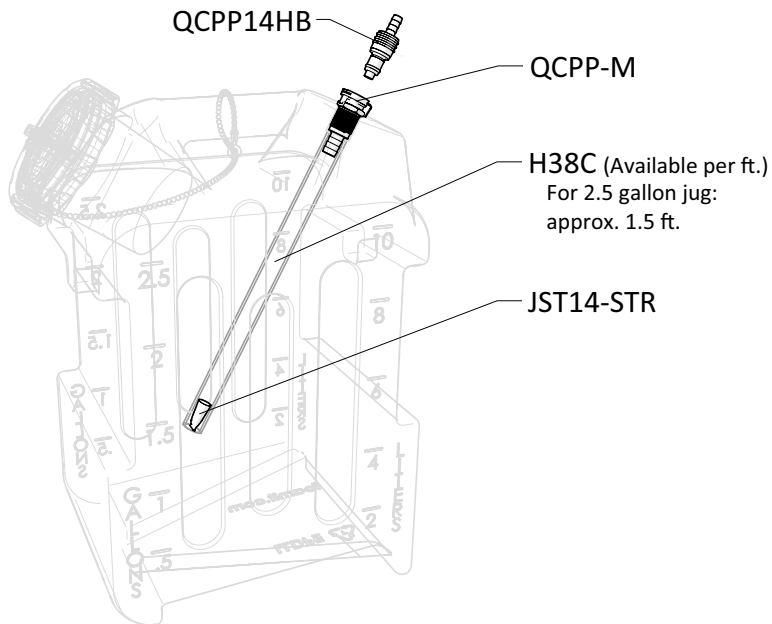
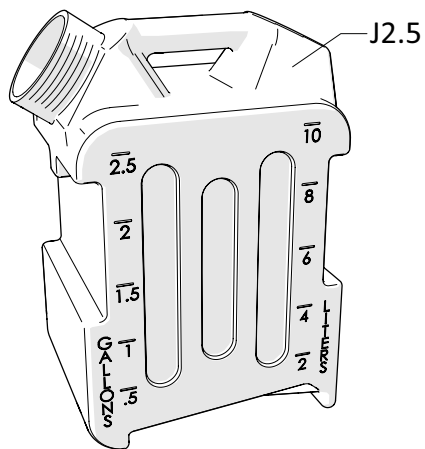
STAINLESS STEEL JUG RACK



NON-LOCKING ONE-WAY VENTED CAP FOR JUGS WITH SUCTION FITTINGS



JUG BODY, SUCTION FITTINGS AND DRAW TUBE



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PARTS LIST

ITEM NUMBER	DESCRIPTION
AG100	1.5 INCH DRY MODEL 20 DUAL SCALE GAUGE
AP25	PLUG 1/4 NPTM AIR FITTING - BRASS
AS1-VS	1/4-20 X 1/2 PHIL TRUSS MACH SCREW 19-8 W/516 ORANGE VIBRASEAL PATCH
B105516	BOLT-10.5 IN LONG-5/16 DIAMETER-18TPI
B5161812	HEX HEAD 5/16-18 X 1/2 IN SS
B5161834	HEX HEAD 5/16-18 X 3/4 IN
B5161858	HEX HEAD 5/16-18 X 5/8 IN SS
BR10	MBS SOLE BRUSH 10-1/2 X 3
BR10S	MBS SIDE BRUSH 10-1/2 X 3
CV14M14B-L	PVC CHK 426-4B4M-F 1/4 INCH MNPT X 1/4 INCH BARB AIR FLOW LEFT
CV14M14B-R	PVC CHK 426-4B4M-E,HAST 1/4 INCH MNPT X 1/4 INCH BARB FLOW RIGHT
CV18MFSS	CHECK VALVE STAINLESS STEEL 1/8 INCH 1 LB SPRING MALE to FEMALE
DBSH	DEBRIS SHIELD FOR MBS100-C
DBTR	DEBRIS TRAY FOR MBS100-C
EL14M14F	1/4 FEM PIPE X 1/4 M PIPE ELBOW
FCN120	FULL CONE NOZZLE-120 DEGREES-0.26GPM-PVDF
FS-BPL	SS2 FLOOR MOUNTING BRACKET FOR USE WITH BOOT SCRUBBER
FS-FMB	FLOOR MOUNT BRACKET FOR SS2
FS-FMP	FLOOR MOUNT PLATE FOR SS2
FS-FRAME	STAINLESS HARDWARE MOUNTING FRAME FOR SS-2
FS-GRATE	STAINLESS FOOT GRATE FOR SS-2
FS-GUARD	SS PIVOT PLATE FOR SS-2
FS-HNDL	HANDLE BAR FOR SS2
FS-HNDL-C	HANDLE BAR FOR SS2-MBS COMBO
FWLG14	.569 ID X 1.28 OD X .08 THICK FLAT WASHER SS 18-8
GR381	GROMMET-3/8IN ID, 5/8IN OD, 3/32IN Thick for 7/16IN Diameter Panel Hole
H14C	1/4IN ID CLEAR POLYVINYL TUBING - Available per ft. (3/8 in OD)
H14RP	1/4IN OD POLYETHYLENE TUBING - RED
H38C	3/8in CLEAR PVC TUBING - Available per ft.
HBSSEL1814	304 STAINLESS ELBOW 1/8 INCH NPT X 1/4 INCH HOSE BARB
J2.5	2.5 GALLON POLYETHYLENE JUG
JC35B	BLACK 3.5 INCH ONE WAY VENTED CAP POLYPROPYLENE WITH GASKET AND CHECK VALVE
JC35B-P	BLACK 3.5 INCH CAP - POLYPROPYLENE
JC35-CV	EPDM CHECK VALVE FOR NON LOCKING JUG CAP
JC-G35	JUG CAP GASKET 3.5 INCH CAP EPDM

ITEM NUMBER	DESCRIPTION
JC35SSC	304 SS END COUPLING FOR SIZE 8-10, ROUND BEAD CHAIN
JC35SSCS	VENTED 18-8 SS SOCKET HEAD CAP SCREW, 10-32 THREAD, 3/4 INCH LENGTH .046 VENT DIAMETER
JC35SST	ROUND BEAD CHAIN, TYPE 304 STAINLESS STEEL, #10
JST14-STR	DRAW TUBE STRAINER - STAINLESS 304 50.009 3/8in ID X 1in w/ BAGFOLD
LN14	1/4-20 NE NYL INS LOCKNUT 18-8 PLN
LNSS516	5/16-18 HEX NYLON INSERT LOCKNUT 18-8 PLN NE
MBS100-C	MANUAL BOOT SCRUBBER FOR SS2
MN186	MANIFOLD-1/8IN NPT-6 PORTS-PVC
P18	POLY PLUG 1/8 MPT HEX HEAD
PHC14	BLACK POLY HOSE CLAMP
PLPF-PIN	302 STAINLESS PORTABLE PLATE HINGE PIN
PSS02	PUMP-SINGLE SHOT-AIR OPERATED-0.2 OZ PER SHOT-1/4IN PORTS
QCPP14HB	Polypropylene In-line hose barb valved plug for ¼ I.D. tube
QCPP-M	Polypropylene panel mount valve hose barb socket for 3/8 I.D. tube 3/8 MPT
QF14P	MALE CON. 1/4in TUBE X 1/4in MPT POLYPROPYLENE
QF1814	MALE CONNECTOR 1/8in NPT BY 1/4in TUBE POLYPROPYLENE
QFEL1814	FIXED ELBOW 1/8in MPT X 1/4in TUBE - POLYPROPYLENE
R16	PB21649-N500 W/6 BAR SPRING
RMFT12	RUBBER MOLDED FEET-1/2 IN TALL
S142034	1/4-20 X 3/4 PHIL TRUSS M/S 18-8
S142058-VS	1/4-20 X 5/8 PHIL TRUSS MACHINE SCREW 18-8 W/#516 VIBRASEAL ORANGE PATCH
SPC12	STAINLESS SPACER-1/2IN OD x .33IN ID-7/8IN LONG
SPG875	SPRING-0.875OD- 0.091 302/304 SS- 0.875 overall length
SS1B2WV	BRASS TWO WAY AIR VALVE
SS2-H	SS2 FOOTWEAR SANITIZER HOUSING
SS2-SH	SS2 FOOTWEAR SANITIZER SHROUD
SSA14	SS304 MALE/FEMALE ADAPTOR 1/4 NPT X 1/4 NPT
SSJR2	SS RACK TO MOUNT CHEMICAL TRANSPORT JUG
TN516SS	STAINLESS THUMB NUT FOR BOLT- 5/16 - 18TPI
WMS14	14 X 1 1/4 HEX W/H SMS SLOTT, S/S
WMS14A	5/16 X 1 1/2 STRAIGHT PLASTIC ANCHOR